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THIS IS UNEVALUATED INFORMATION

SOURCE Nauka i Zhizn', (Science and Life), No 8, 1948.TECHNOLOGICAL BRIEFS

1. In 1947, Soviet geologists and oil engineers discovered and investigated a number of new oil-bearing regions. The new Kyzylagachskiy deposit, which was discovered very close to the Neftachalinskiy deposit, will be exploited through deep drilling. The highly productive Kazanbulagskiy deposit in Kirovskiy rayon has just been put into operation. Through this, a start has been made in establishing a new oil-extracting center in Azerbaydzhan. New oil deposits have been discovered in the Maykop layer (Krasnodarneft'). Gushers came in from new deposits for the first time in the Izberbashskiy region by efforts of the Dagneft' trust. A new gas deposit was discovered in the Balash section (Malgobekneft' trust). New oil prospects were discovered by deep mining excavations in the Nebitdag斯基 area (Western Turkmen).

2. A plant for liquefying Saratov gas, with underground tanks for liquid methane, will be constructed under Moscow. In the summer, when the demand for gas is low, the surplus will be stored in the underground storage. In the winter, when the demand increases, the liquid methane will be released into the city's mains through gas-distributing stations after its conversion into gas. This will assure a steady supply of gas to the population and enterprises of the city throughout the year.

3. Water jets were used on a caisson used in the construction of a large railroad bridge. The sinking of the caisson was done by loosening the bottom with water jets produced at high velocity, and considerable pressure by a special device, the hydromonitor. Water is also used to remove the mud from the bottom of the caisson to the surface through a hydroelevator.

4. The Standartstal'strol Trust is arc welding nonferrous metals with a copper electrode in the usual alternating-current welding devices. Torch welding is customarily employed for this purpose, but it requires highly qualified workers, scarce equipment, and complex apparatus which cannot always be obtained in construction areas or field workshops. Arc welding with a copper electrode is distinguished by the simplicity of preparing the electrode, the satisfactory quality of the welded seam, and the possibility of rapid maintenance, and reconditioning of machine parts made from bronze with a small maintenance cost.

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- 1 -

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